VERSION WITH MARKINGS TO SHOW CHANGES MADE

1. (Amended) A system for detecting, monitoring and reporting human physiological information, comprising:

a sensor device adapted to be placed in contact with an individual's upper arm, said sensor device including at least two [one] of an accelerometer, a GSR sensor and a heat flux sensor, said sensor device being adapted to generate: (i) [at least one of] data indicative of at least two [one] of [activity] motion, [galvanic skin response] the resistance of said individual's skin to electric current, and heat flow of said individual and (ii) derived data from at least a portion of said data indicative of at least two [one] of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow, said derived data comprising a physiological parameter of said individual that cannot be wholly measured directly by any one of said accelerometer, said GSR sensor and said heat flux sensor;

a central monitoring unit remote from said sensor device adapted for the generation of analytical status data from at least a portion of at least one of: (i) said data indicative of at least two [one] of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow, (ii) said derived data and (iii) said analytical status data, said central monitoring unit including a data storage device for retrievably storing at least one of: (i) said data indicative of at least two [one] of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow, (ii) said derived data and (iii) said analytical status data;

data transfer means for establishing at least temporary electronic communication between said sensor device and said central monitoring unit; and

means for transmitting at least one of: (i) said data indicative of at least two [one] of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow, (ii) said derived data and (iii) said analytical status data to a recipient.

8. (Amended) A system according to claim 1, wherein said central monitoring unit is adapted to generate derived data from at least a portion of said data indicative of at least two [one] of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow.

9. (Amended) A system according to claim 1, wherein said data indicative of at least two [one] of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow comprises a summary over a period of time.

10. (Amended) A system according to claim 1, wherein said sensor device further comprises a memory for storing said data indicative of at least two [one] of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow and said derived data.

11. (Amended) A system according to claim 1, wherein said central monitoring unit is adapted to generate one or more web pages containing at least one of said data indicative of at least two [one] of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow, said derived data, and said analytical status data, and wherein said means for transmitting makes said web pages accessible by said recipient over the Internet.

12. (Amended) A system according to claim 8, wherein said central monitoring unit is adapted to generate one or more web pages containing at least one of said data indicative of at least two [one] of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow, said derived data, and said analytical status data, and wherein said means for transmitting makes said web pages accessible by said recipient over the Internet.

13. (Amended) A system according to claim 1, wherein said means for transmitting transmits said at least one of said data indicative of at least two [one] of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow, said derived data, and said analytical status data to said recipient over an electronic network.

14. (Amended) A system according to claim 1, wherein said means for transmitting transmits said at least one of said data indicative of at least two [one] of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow, said derived data, and said analytical status data to said recipient in physical form.

40. (Amended) A system according to claim 1, wherein said derived data comprises calories burned and is based on [at least one of] said data indicative of [activity] motion and said data indicative of heat flow.

41. (Amended) A system according to claim 40, wherein said derived data is also based on said data indicative of [galvanic skin response] resistance of said individual's skin to electric current.

43. (Amended) A system according to claim 8, wherein said derived data comprises calories burned and is based on [at least one of] said data indicative of [activity] motion and said data indicative of heat flow.

44. (Amended) A system according to claim 43, wherein said derived data is also based on said data indicative of [galvanic skin response] resistance of said individual's skin to electric current.

95. (Twice Amended) A sensor device adapted to be placed in contact with an individual's upper arm, comprising:

at least two [one] of an accelerometer adapted to generate data indicative of [activity] motion, a GSR sensor adapted to generate data indicative of [galvanic skin response] the resistance of said individual's skin to electric current and a heat flux sensor adapted to generate data indicative of heat flow;

a processor coupled to said at least two [one] of an accelerometer, a GSR sensor and a heat flow sensor, said processor being adapted to generate derived data from at least a portion of at least two [one] of said data indicative of [activity] motion, [galvanic skin response] resistance of said individual's skin to electric current and heat flow, said derived data comprising

a physiological parameter of said individual that cannot be wholly measured directly by any one of said accelerometer, said GSR sensor and said heat flux sensor;

means for inputting and outputting data from said sensor device;

a computer housing for containing said processor; and

a flexible wing body having first and second wings, said first and second wings being adapted to wrap around a portion of said upper arm.

99. (Twice Amended) A sensor device according to claim 95, wherein said derived data comprises calories burned and is based on [at least one of] said data indicative of [activity] motion and said data indicative of heat flow.

100. (Amended) A sensor device according to claim 99, wherein said derived data is also based on said data indicative of [galvanic skin response] resistance of said individual's skin to electric current.

allowance. Applicants expressly note that these amendments are made without prejudice or disclaimer to cover a particular embodiment of the present invention. As discussed with the Examiner, Applicants intend to file a continuation application to pursue additional claims having different scope.

No fee and no extension of time are believed to be in connection with the filing of this Supplemental Amendment. If, however an extension of time is required, Applicants hereby petition for such an extension of time. Any fees that may be due may be charged to Deposit Account No. 50-0525. A duplicate of this sheet is attached. If a telephone conference would facilitate prosecution of this application in any way, the Examiner is invited to contact the undersigned at the number provided.

Respectfully submitted,

METZ LEWIS LLC

By _____

Philip E. Levy, Reg. No. 40,700
Metz Lewis LLC
11 Stanwix Street, 18th Floor
Pittsburgh, Pennsylvania 15222

Attorneys for Applicant

(412) 918-1100